

**Patent claims**

1. A self-adhesive, active ingredient-containing matrix patch for controlled delivery of active ingredients to the skin, based on polyurethane gels, where the active ingredient is present in the matrix and where penetration enhancers have been added to the matrix.  
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2. A self-adhesive, active ingredient-containing matrix patch of claim 1, characterized in that penetration enhancers have been added to the matrix at up to 30% by weight, in particular from 5 to 15% by weight.  
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3. A self-adhesive, active ingredient-containing matrix patch of claims 1 and 2, characterized in that penetration enhancers used comprise lipophilic solubilizers/enhancers such as decyl oleate, isopropyl myristate and isopropyl palmitate (IPM and IPP), 2-octyldodecanol and/or other fatty acid esters.  
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4. A self-adhesive, active ingredient-containing matrix patch of claims 1 to 3, characterized in that the matrix consists of polyurethane in foamed or unfoamed form.  
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5. A self-adhesive, active ingredient-containing matrix patch of claims 1 to 4, characterized in that active ingredients used comprise essential oils, cosmetic skin-care additives, pharmaceutically active substances and/or antiseptics, especially hyperemic active substances.  
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6. A self-adhesive, active ingredient-containing matrix patch of claims 1 to 5, characterized in that the matrix comprises from 0.1 to 20% by weight, preferably from 2 to 10% by weight, of an active ingredient.
- 30 7. A self-adhesive, active ingredient-containing matrix patch of claims 1 to 6, characterized in that the matrix has a thickness of from 10 to 2000  $\mu\text{m}$ , very particularly from 100 to 1500  $\mu\text{m}$ .
8. A self-adhesive, active ingredient-containing matrix patch of claims 1 to 7,

characterized in that the matrix has been applied to a backing material, preferably in such a way that the periphery of the backing material at least in part is not covered by the matrix.

- 5    9.    A self-adhesive, active ingredient-containing matrix patch of claim 8,  
characterized in that between matrix and backing material there is an adhesive  
layer.
- 10    10.    A self-adhesive, active ingredient-containing matrix patch of claims 8 and 9,  
characterized in that occlusive sheets, preferably of polyethylene, polypropylene  
and/or polyester, are used as backing material.